

page URL 103	time/date 105	source Internet address 107
A	B	C
D	E	F
A	G	H
D	I	J

page hit table 101

hit entry 109

page URL 113	no. of hits 115
A	m
D	n

aggregated
page hit entry
117

page hit rollup table for
period X 111

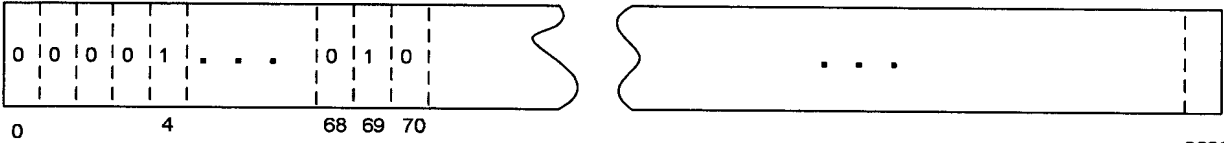
FIG. 2 Prior Art

page URL 113	set of hit times 303	No. of hits 115
A	set value x	m
D	set value y	n

page hit roll up table with hit times 301

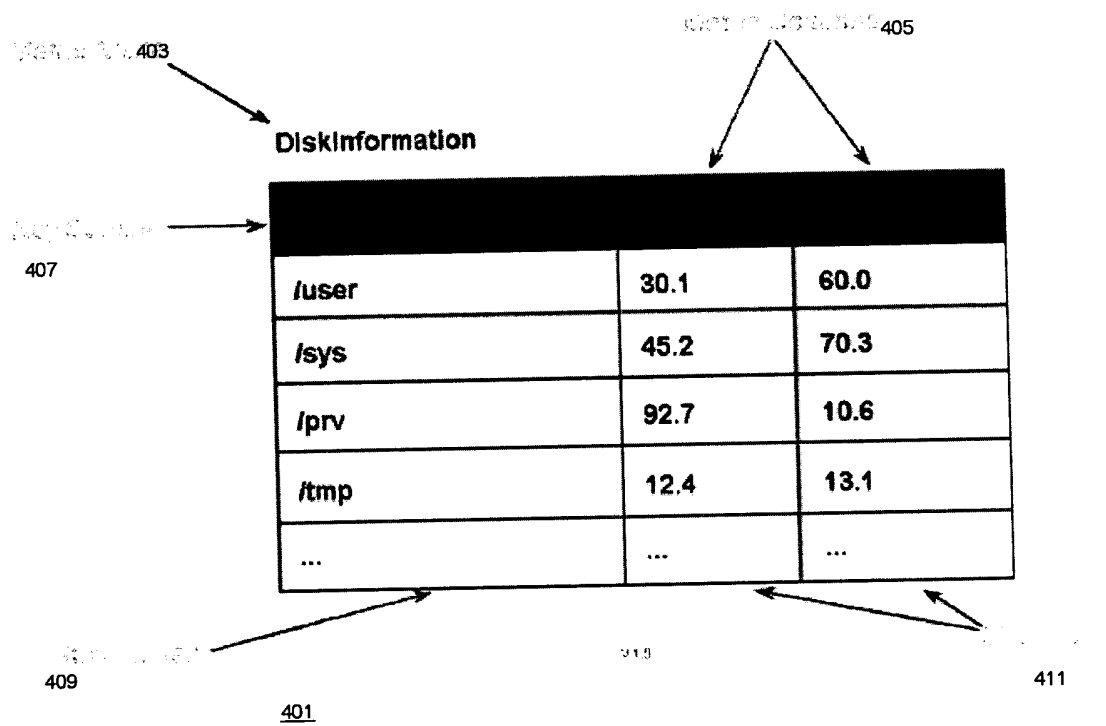
5,70, . . . 28795,28796,28797,28801,28805,28806 . . .

comma list set data item 305



bit set data item 307

Fig. 3

Fig. 4

503	505	507	509	511	513	515
InstanceId	AlertState	AlertCount	AlertOccurrences	RollupTime	RollupInterval	MessageId
1	Warning	1	3:121.5	01-MAY-2003 00:00:00	Daily	68
1	Warning	1	3:127.65	05-MAY-2003 00:00:00	Daily	68

Daily rollup entries 501

501(i)

501(j)

InstanceId	AlertState	AlertCount	AlertOccurrences	RollupTime	RollupInterval	MessageId
1	Warning	2	3:121.5,3:127.65	01-MAY-2003 00:00:00	Monthly	68

monthly roll up entry 517(k)

set value 519

Fig. 5